Proteins



Product Data Sheet

CD93/C1qR1 Protein, Mouse (HEK293, His)

Cat. No.: HY-P75373

Synonyms: Complement Component C1q Receptor; CD93; C1qRp; Ly-68; C1qr1

Species: Source: HEK293

Accession: O89103 (A23-N572)

Gene ID: 17064

Molecular Weight: Approximately 100 kDa

PROPERTIES

A D S Q A V V C E G T A C Y T A H W G K L S A A E A Q H R C N E N G G N L A T V K S E E E A R H V Q Q A L T Q L L K T K A P L E A K M G K F W I G L Q R E K G N C T Y H D L P M R G F S W V G G G E D T A Y S N W Y K A S K S C I F K R C V S L I L D L S L T P H P S H L P K W H E S P C G T P E A P G N S I E G F L C K F N F K G M C R P L A L G G P G R V T Y T T P F Q A T T S S L E A V P F A S V A N V A C G D E A K S E T H Y F L C N E K T P G I F H W G S S G P L C V S P K F G C S F N N G G C Q Q D C F E G G D G S F R C G C R P G F R L L D D L V T C A S R N P C S S N P C T G G M C H S V P L S E N Y T C R C P S G Y Q L D S S Q V H C V D I D E C Q D S P C A Q D C V N T L G S F H C E C W C G Y Q P S G P K E E A C E D V D E C A A A N S P C A Q G C I N T D G S F R C G C P P G W E L A P N G V F C S R C T V F S E L P A R P P Q K E D N D D R K E S T M P P T E M P S S P S G S K D V S N R A Q T T G L F V Q S D I P T A S V P L E I E I P S E V S D V W F E L G T Y L P T T S G H S K P T H E D S V S A H S D T D G Q N Biological Activity Measured by its binding ability in a functional ELISA. Immobilized Mouse CD93 at 2 µg/m L can bind Mouse I G F B P 7, the E C 50 is s 840 n g/m L. Appearance Lyophilized a 0.2 µm filtered solution of 20 m M T r is H C I, 0.5 M N A C I, 6% T r e halose, p H 8.0. Endotoxin Level <1 EU/µg, determined by L A L method. Reconsititution It is not recommended to reconstitute to a concentration less than 100 µg/m L in dd H 2 O. Storage & Stability Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is					
K S E E A R H V Q Q A L T Q L L K T K A P L E A K M G K F W I G L Q R E K G N C T Y H D L P M R G F S W V G G G E D T A Y S N W Y K A S K S C I F K R C V S L I L D L S L T P H P S H L P K W H E S P C G T P E A P G N S I E G F L C K F N F K G M C R P L A L G G P G R V T Y T T P F Q A T T S S L E A V P F A S V A N V A C G D E A K S E T H Y F L C N E K T P G I F H W G S G P L C V S P K F G C S F N N G G C Q Q D C F E G G D G S F R C G C R P G F R L L D D L V T C A S R N P C S S N P C T G G M C H S V P L S E N Y T C R C P S G Y Q L D S S Q V H C V D I D E C Q D S P C A Q D C V N T L G S F H C E C W V G Y Q P S G P K E E A C E D V D E C A A A N S P C A Q G C I N T D G S F T C S C K E G Y I V S G E D S T Q C E D I D E C S D A R G N P C D S L C F N T D G S F R C G C P P G W E L A P N G V F C S R G T V F S E L P A R P P Q K E D N D D R K E S T M P P T E M P S S P S G S K D V S N R A Q T T G L F V Q S D I P T A S V P L E I E I P S E V S D V W F E L G T Y L P T T S G H S K P T H E D S V S A H S D T D G Q N Biological Activity Measured by its binding ability in a functional ELISA. Immobilized Mouse C D 93 at 2 µg/m L can bind Mouse I G F B P 7, the E C 50 is \$840 n g/m L. Appearance Lyophilized a 0.2 µm filtered solution of 20 m M T r is - H C I, 0.5 M N A C I, 6% T r e halose, p H 8.0. Endotoxin Level <1 E U / µg, determined by L A L method. Reconsititution It is not recommended to reconstitute to a concentration less than 100 µg/m L in dd H 2 O. Storage & Stability Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is	AA Sequence	ADSOAVVCEG TACYT	AHWGK	LSAAEAOHRC	NENGGNLATV
CTYHDLPMRG FSWVGGGEDT AYSNWYKASK SSCIFKRCVS LILDLSLTPH PSHLPKWHES PCGTPEAPGN SIEGFLCKFN FKGMCRPLAL GGPGRVTYTT PFQATTSSLE AVPFASVANV ACGDEAKSET HYFLCNEKTP GIFHWGSSGP LCVSPKFGCS FNNGGCQQDC FEGGDGSFRC GCRPGFRLLD DLVTCASRNP CSSNPCTGGG MCHSVPLSEN YTCRCPSGYQ LDSSQVHCVD IDECQDSPCA QDCVNTLGSF HCECWVGYQP SGPKEEACED VDECAAANSP CAQGCINTDG SFYCSCKEGY IVSGEDSTQC EDIDECSDAR GNPCDSLCFN TDGSFRCGCP PGWELAPPGV FCSRGTVFSE LPARPPQKED NDDRKESTMP PTEMPSSPSG SKDVSNRAQT TGLFVQSDIP TASVPLEIEI PSEVSDVWFE LGTYLPTTSG HSKPTHEDSV SAHSDTDGQN Biological Activity Measured by its binding ability in a functional ELISA. Immobilized Mouse CD93 at 2 µg/mL can bind Mouse IGFBP7, the EC ₅₀ is ≤840 ng/mL. Appearance Lyophilized a 0.2 µm filtered solution of 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0. Endotoxin Level <1 EU/µg, determined by LAL method. Reconstitution It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. Storage & Stability Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is					WIGLQREKGN
FKGMCRPLAL GGPGRVTYTT PFQATTSSLE AVPFASVANV ACGDEAKSET HYFLCNEKTP GIFHWGSSGP LCVSPKFGCS FNNGGCQQDC FEGGDGSFRC GCRPGFRLLD DLVTCASRNP CSSNPCTGGG MCHSVPLSEN YTCRCPSGYQ LDSSQVHCVD IDECQDSPCA QDCVNTLGSF HCECWVGYQP SGPKEEACED VDECAAANSP CAQGCINTDG SFYCSCKEGY IVSGEDSTQC EDIDECSDAR GNPCDSLCFN TDGSFRCGCP PGWELAPNGV FCSRGTVFSE LPARPPQKED NDDRKESTMP PTEMPSSPSG SKDVSNRAQT TGLFVQSDIP TASVPLEIEI PSEVSDVWFE LGTYLPTTSG HSKPTHEDSV SAHSDTDGQN Biological Activity Measured by its binding ability in a functional ELISA. Immobilized Mouse CD93 at 2 μg/mL can bind Mouse IGFBP7, the EC ₅₀ is ≤840 ng/mL. Appearance Lyophilized powder. Formulation Lyophilized a 0.2 μm filtered solution of 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0. Endotoxin Level It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. Storage & Stability Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is		CTYHDLPMRG FSWVG	GGEDT	AYSNWYKASK	SSCIFKRCVS
A C G D E A K S E T H Y F L C N E K T P G I F H W G S S G P L C V S P K F G C S F N N G G C Q Q D C F E G G D G S F R C G C R P G F R L L D D L V T C A S R N P C S S N P C T G G M C H S V P L S E N Y T C R C P S G Y Q L D S S Q V H C V D I D E C Q D S P C A Q D C V N T L G S F H C E C W V G Y Q P S G P K E E A C E D V D E C A A A N S P C A Q G C I N T D G S F Y C S C K E G Y I V S G E D S T Q C E D I D E C S D A R G N P C D S L C F N T D G S F R C G C P P G W E L A P N G V F C S R G T V F S E L P A R P P Q K E D N D D R K E S T M P P T E M P S S P S G S K D V S N R A Q T T G L F V Q S D I P T A S V P L E I E I P S E V S D V W F E L G T Y L P T T S G H S K P T H E D S V S A H S D T D G Q N Biological Activity Measured by its binding ability in a functional ELISA. Immobilized Mouse CD93 at 2 μg/mL can bind Mouse IGFBP7, the EC ₅₀ is ±840 ng/mL. Appearance Lyophilized powder. Formulation Lyophilized a 0.2 μm filtered solution of 20 m M T ris-HCl, 0.5 M NaCl, 6% T rehalose, pH 8.0. Endotoxin Level <1 EU/μg, determined by LAL method. Reconsititution It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. Storage & Stability Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is		LILDLSLTPH PSHLP	KWHES	PCGTPEAPGN	SIEGFLCKFN
FNNGGCQQDC FEGGDGSFRC GCRPGFRLLD DLVTCASRNP CSSNPCTGGG MCHSVPLSEN YTCRCPSGYQ LDSSQVHCVD IDECQDSPCA QDCVNTLGSF HCECWVGYQP SGPKEEACED VDECAAANSP CAQGCINTDG SFYCSCKEGY IVSGEDSTQC EDIDECSDAR GNPCDSLCFN TDGSFRCGCP PGWELAPNGV FCSRGTVFSE LPARPPQKED NDDRKESTMP PTEMPSSPSG SKDVSNRAQT TGLFVQSDIP TASVPLEIEI PSEVSDVWFE LGTYLPTTSG HSKPTHEDSV SAHSDTDGQN Biological Activity Measured by its binding ability in a functional ELISA. Immobilized Mouse CD93 at 2 µg/mL can bind Mouse IGFBP7, the EC50 is ≤840 ng/mL. Appearance Lyophilized a 0.2 µm filtered solution of 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0. Endotoxin Level <1 EU/µg, determined by LAL method. Reconstitution It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH2O. Storage & Stability Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is		FKGMCRPLAL GGPGR	VTYTT	PFQATTSSLE	AVPFASVANV
CSSNPCTGGG MCHSVPLSEN YTCRCPSGYQ LDSSQVHCVD IDECQDSPCA QDCVNTLGSF HCECWVGYQP SGPKEEACED VDECAAANSP CAQGCINTDG SFYCSCKEGY IVSGEDSTQC EDIDECSDAR GNPCDSLCFN TDGSFRCGCP PGWELAPNGV FCSRGTVFSE LPARPPQKED NDDRKESTMP PTEMPSSPSG SKDVSNRAQT TGLFVQSDIP TASVPLEIEI PSEVSDVWFE LGTYLPTTSG HSKPTHEDSV SAHSDTDGQN Biological Activity Measured by its binding ability in a functional ELISA. Immobilized Mouse CD93 at 2 μg/mL can bind Mouse IGFBP7, the EC50 is ≤840 ng/mL. Appearance Lyophilized powder. Formulation Lyophilized a 0.2 μm filtered solution of 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0. Endotoxin Level <1 EU/μg, determined by LAL method. Reconsititution It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH2O. Storage & Stability Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is		ACGDEAKSET HYFLC	NEKTP	GIFHWGSSGP	LCVSPKFGCS
I D E C Q D S P C A Q D C V N T L G S F H C E C W V G Y Q P S G P K E E A C E D V D E C A A A N S P C A Q G C I N T D G S F Y C S C K E G Y I V S G E D S T Q C E D I D E C S D A R G N P C D S L C F N T D G S F R C G C P P G W E L A P N G V F C S R G T V F S E L P A R P P Q K E D N D D R K E S T M P P T E M P S S P S G S K D V S N R A Q T T G L F V Q S D I P T A S V P L E I E I P S E V S D V W F E L G T Y L P T T S G H S K P T H E D S V S A H S D T D G Q N Biological Activity Measured by its binding ability in a functional ELISA. Immobilized Mouse CD93 at 2 μg/mL can bind Mouse IGFBP7, the EC ₅₀ is ≤840 ng/mL. Appearance Lyophilized powder. Formulation Lyophilized a 0.2 μm filtered solution of 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0. Endotoxin Level <1 EU/μg, determined by LAL method. Reconstitution It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. Storage & Stability Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is		FNNGGCQQDC FEGGD	GSFRC	GCRPGFRLLD	DLVTCASRNP
VDECAAANSP CAQGCINTDG SFYCSCKEGY IVSGEDSTQC EDIDECSDAR GNPCDSLCFN TDGSFRCGCP PGWELAPNGV FCSRGTVFSE LPARPPQKED NDDRKESTMP PTEMPSSPSG SKDVSNRAQT TGLFVQSDIP TASVPLEIEI PSEVSDVWFE LGTYLPTTSG HSKPTHEDSV SAHSDTDGQN Biological Activity Measured by its binding ability in a functional ELISA. Immobilized Mouse CD93 at 2 μg/mL can bind Mouse IGFBP7, the EC ₅₀ is ≤840 ng/mL. Appearance Lyophilized powder. Formulation Lyophilized a 0.2 μm filtered solution of 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0. Endotoxin Level <1 EU/μg, determined by LAL method. Reconsititution It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. Storage & Stability Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is		CSSNPCTGGG MCHSV	PLSEN	YTCRCPSGYQ	LDSSQVHCVD
EDIDECSDAR GNPCDSLCFN TDGSFRCGCP PGWELAPNGV FCSRGTVFSE LPARPPQKED NDDRKESTMP PTEMPSSPSG SKDVSNRAQT TGLFVQSDIP TASVPLEIEI PSEVSDVWFE LGTYLPTTSG HSKPTHEDSV SAHSDTDGQN Biological Activity Measured by its binding ability in a functional ELISA. Immobilized Mouse CD93 at 2 μg/mL can bind Mouse IGFBP7, the EC ₅₀ is ≤840 ng/mL. Appearance Lyophilized powder. Formulation Lyophilized a 0.2 μm filtered solution of 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0. Endotoxin Level <1EU/μg, determined by LAL method. Reconstitution It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. Storage & Stability Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is		I D E C Q D S P C A Q D C V N	ITLGSF	HCECWVGYQP	SGPKEEACED
F C S R G T V F S E S K D V S N R A Q T T G L F V Q S D I P T A S V P L E I E I D S E V S D V W F E L G T Y L P T T S G H S K P T H E D S V S A H S D T D G Q N Biological Activity Measured by its binding ability in a functional ELISA. Immobilized Mouse CD93 at 2 μg/mL can bind Mouse IGFBP7, the EC ₅₀ is ≤840 ng/mL. Appearance Lyophilized powder. Formulation Lyophilized a 0.2 μm filtered solution of 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0. Endotoxin Level <1 EU/μg, determined by LAL method. Reconstitution It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. Storage & Stability Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is		V D E C A A A N S P C A Q G C	INTDG	SFYCSCKEGY	IVSGEDSTQC
S K D V S N R A Q T T G L F V Q S D I P T A S V P L E I E I L G T Y L P T T S G H S K P T H E D S V S A H S D T D G Q N Biological Activity Measured by its binding ability in a functional ELISA. Immobilized Mouse CD93 at 2 μg/mL can bind Mouse IGFBP7, the EC ₅₀ is ≤840 ng/mL. Appearance Lyophilized powder. Formulation Lyophilized a 0.2 μm filtered solution of 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0. Endotoxin Level <1 EU/μg, determined by LAL method. Reconstitution It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. Storage & Stability Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is		EDIDECSDAR GNPCD	SLCFN	TDGSFRCGCP	PGWELAPNGV
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	Reconsititution	It is not recommended to reconstitute to a concentration less than 100 $\mu\text{g}/\text{mL}$ in ddH $_2\text{O}$.			
recommended to freeze aliquots at -20°C or -80°C for extended storage.	Storage & Stability				
Shipping Room temperature in continental US; may vary elsewhere.	Shipping	Room temperature in continental US; may vary elsewhere.			

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DESCRIPTION

Background

CD93/C1qR1 Protein, functioning as a receptor or a component of a larger receptor complex, emerges as a versatile mediator in immune recognition and cellular interactions. It serves as a binding site for C1q, mannose-binding lectin (MBL2), and pulmonary surfactant protein A (SPA), suggesting a role in coordinating immune responses. CD93/C1qR1 may enhance phagocytosis in monocytes and macrophages through interaction with soluble defense collagens, underscoring its potential impact on immune defense mechanisms. Furthermore, it may contribute to intercellular adhesion and serves as a marker for early multipotent hematopoietic precursor cells, indicating its involvement in hematopoietic and vascular development. The interaction with C1QBP implies a potential association with cell surface C1q, emphasizing the intricate and multifaceted roles of CD93/C1qR1 in cellular processes.

Caution: Product has not been fully validated for medical applications. For research use only.

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